



US00D456779S

(12) **United States Design Patent**  
**Igarashi**

(10) **Patent No.:** **US D456,779 S**

(45) **Date of Patent:** **\*\* May 7, 2002**

(54) **ELECTRICAL CONNECTOR**  
(75) Inventor: **Isao Igarashi, Akishima (JP)**  
(73) Assignee: **Japan Aviation Electronics Industry, Limited, Tokyo (JP)**  
(\*\*) Term: **14 Years**

JP	11283710	*	10/1999	.....	H01R/13/648
JP	2000182697	*	6/2000	.....	H01R/12/28
JP	2000200641	*	7/2000	.....	H01R/12/28
JP	2000231971	*	8/2000	.....	H01R/31/06
JP	2000323206	*	11/2000	.....	H01R/12/28
JP	2000340283	*	12/2000	.....	H01R/12/28
JP	2001052787	*	2/2001	.....	H01R/12/28
JP	2001057274	*	2/2001	.....	H01R/13/648

\* cited by examiner

(21) Appl. No.: **29/130,949**  
(22) Filed: **Oct. 12, 2000**

*Primary Examiner*—Joel Sincavage  
(74) *Attorney, Agent, or Firm*—Michael Best & Friedrich LLC; J. Warren Whitesel

(30) **Foreign Application Priority Data**  
Apr. 21, 2000 (JP) ..... 2000-014415  
(51) **LOC (7) Cl.** ..... **13-03**  
(52) **U.S. Cl.** ..... **D13/147**  
(58) **Field of Search** ..... D13/147; 439/260,  
439/492-499

(57) **CLAIM**

The ornamental design for an electrical connector, as shown and described.

(56) **References Cited**  
**U.S. PATENT DOCUMENTS**  
3,960,436 A \* 6/1976 Zebisch ..... 439/660  
D371,542 S \* 7/1996 Takayasu ..... D13/147  
D408,788 S \* 4/1999 Homma ..... D13/147  
5,906,504 A \* 5/1999 Igarashi et al. .... 439/495  
6,066,000 A \* 5/2000 Masumoto et al. .... 439/607  
6,099,346 A \* 8/2000 Hashiguchi et al. .... 439/495  
6,146,171 A \* 11/2000 Kunishi et al. .... 439/260  
6,231,378 B1 \* 5/2001 Wu et al. .... 439/495  
D444,130 S \* 6/2001 Hayashi et al. .... D13/147

**DESCRIPTION**

FIG. 1 is a top plan view of an electrical connector;  
FIG. 2 is a front elevation view thereof;  
FIG. 3 is a right side elevational view thereof;  
FIG. 4 is a bottom plan view thereof;  
FIG. 5 is a rear elevational view thereof;  
FIG. 6 is a cross-sectional view thereof along line 6—6 in FIG. 2;and,  
FIG. 7 is a perspective view of the front and right sides thereof.  
A left side elevational view of the electrical connector is omitted because it is presented symmetrical to the right side view of FIG. 3.

**FOREIGN PATENT DOCUMENTS**

JP 10284201 \* 10/1998 ..... H01R/31/06

**1 Claim, 3 Drawing Sheets**

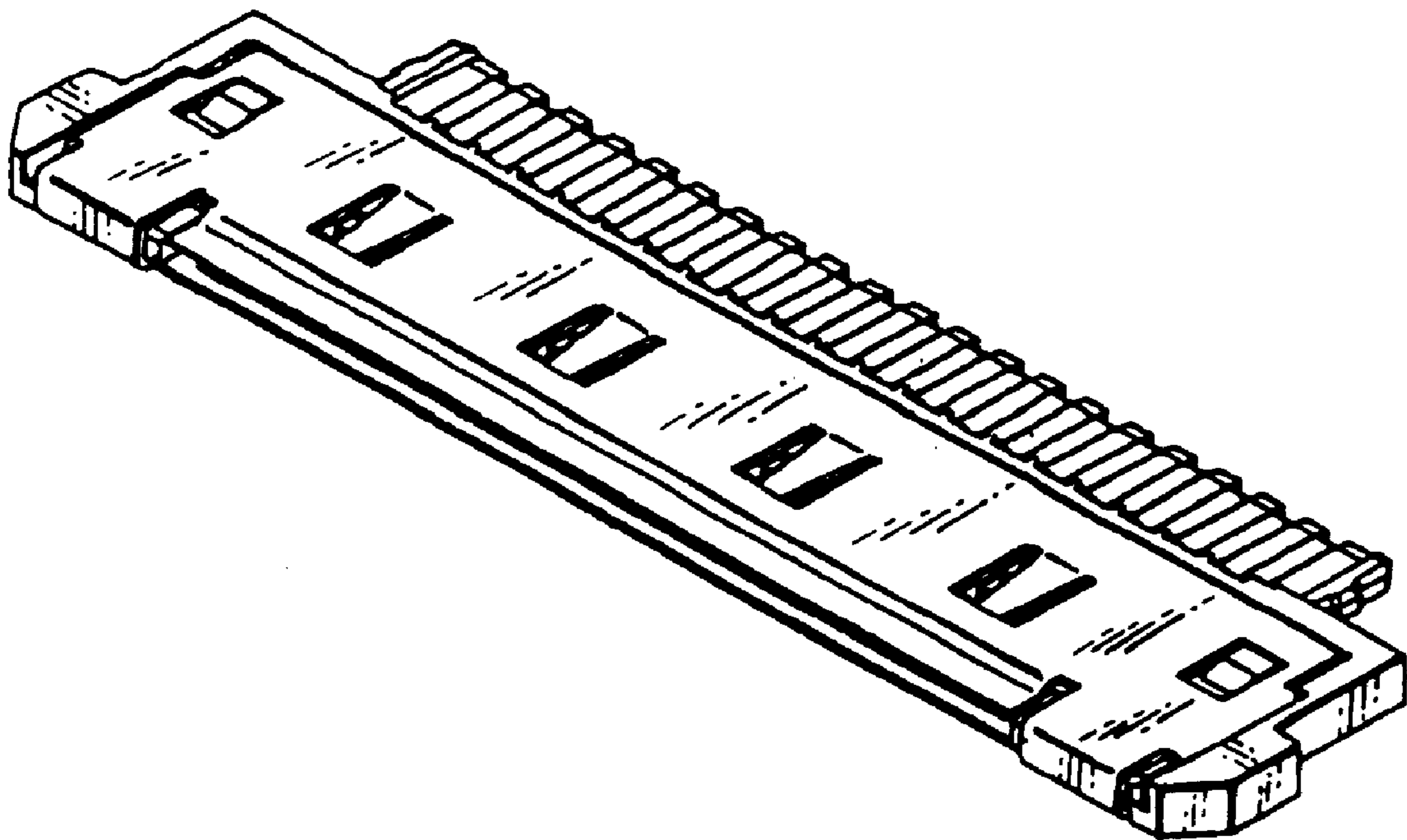


FIG. 1

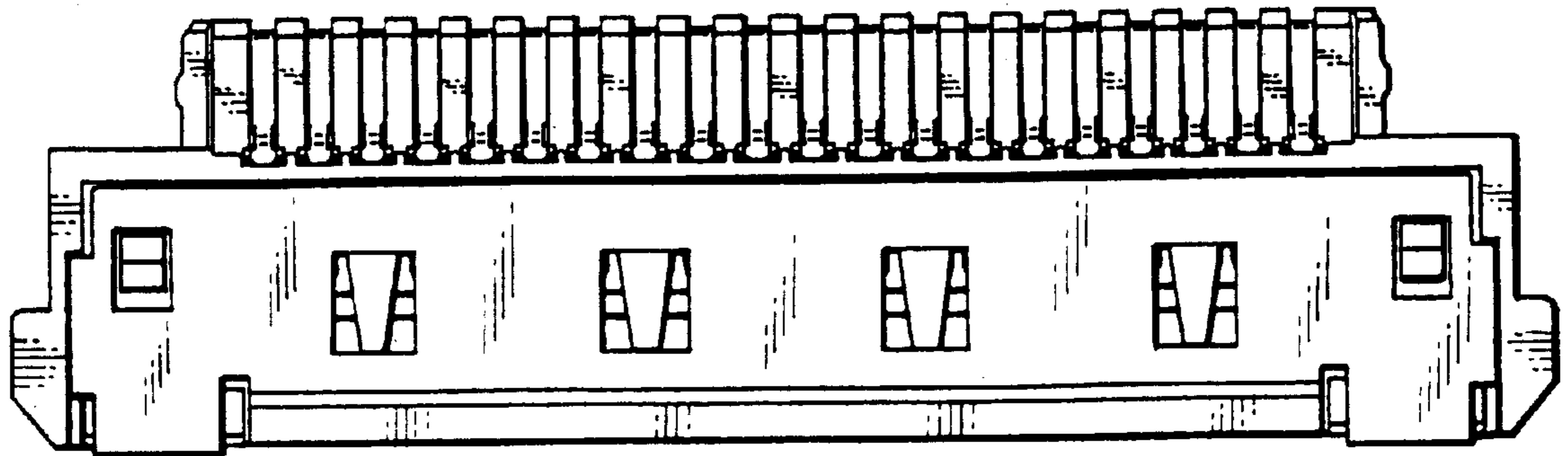


FIG. 2

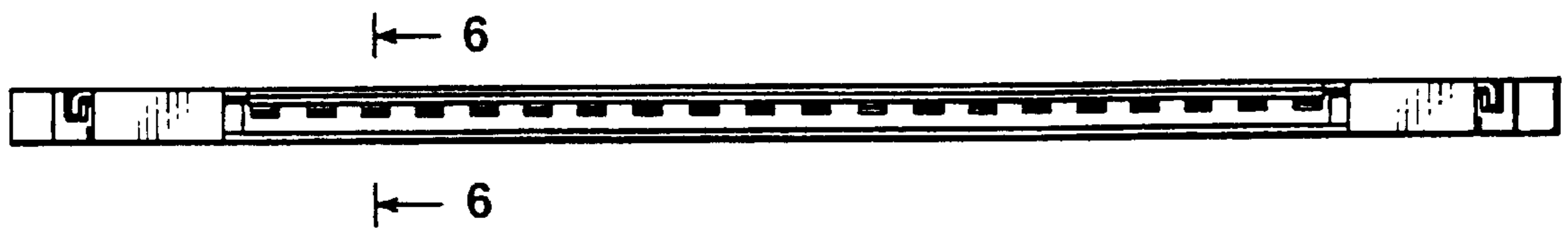


FIG. 3



FIG. 4

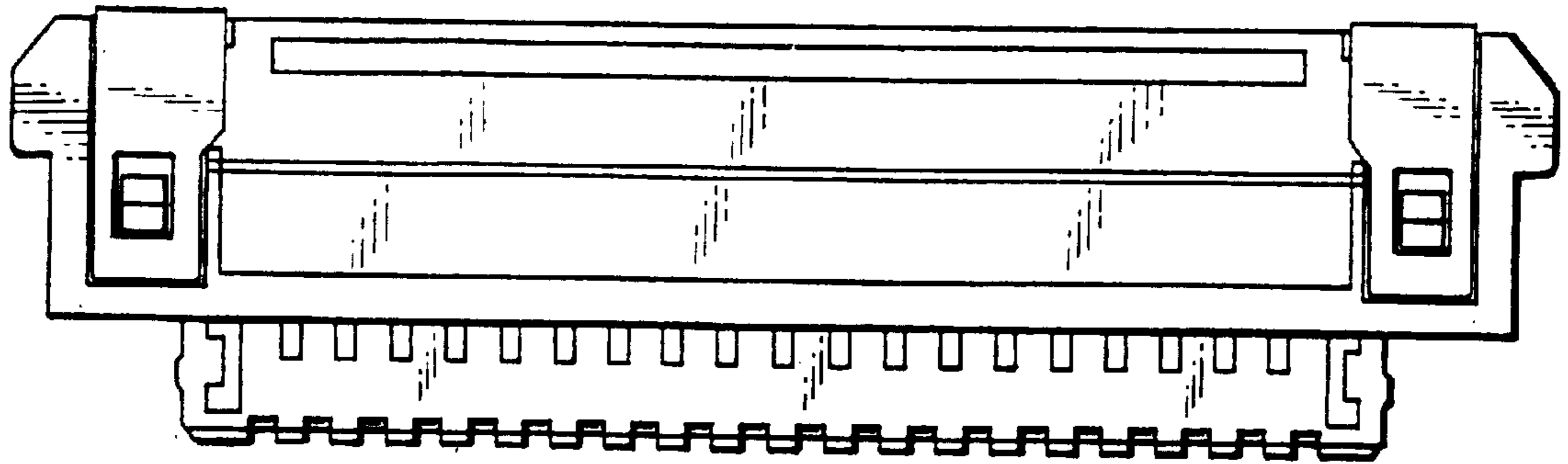


FIG. 5



FIG. 6

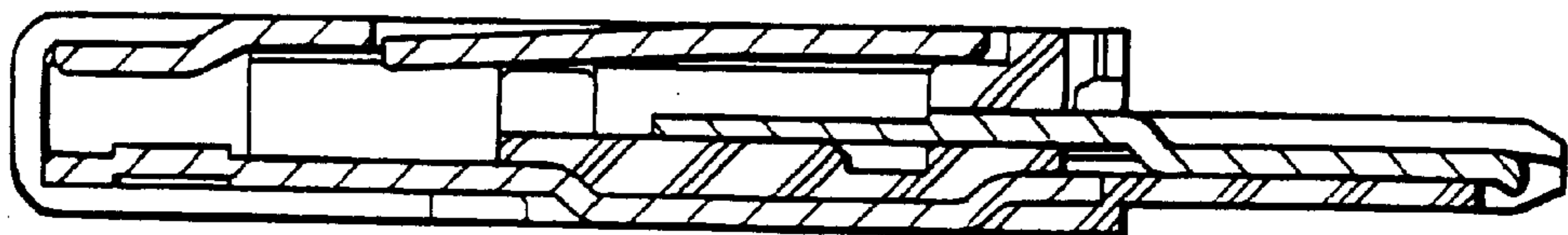


FIG. 7

